

April 16, 2005

**Approval FHWA** (Required for  
blanket approvals)  
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TO:

MS 47330

**Date** \_\_\_\_\_**Concurrence Assistant State  
Designer Engineer**  
\_\_\_\_\_**Date** \_\_\_\_\_

THRU:

FROM: MS

SUBJECT: Blanket Proprietary Item Request

**Description:**

The Region is requesting blanket proprietary approval for the following ITS materials for the 2005-2007 biennium. The materials submitted are essential for synchronization with existing highway facilities. At this time the Department is in the process of pursuing statewide standardization and inner operability between all regions in the areas of Signal, Illumination and ITS system design.

**Proprietary Items:****Cohu Camera Assembly**

The I-view series (current model # 3955) consists of a camera, pan/tilt unit, and control receiver. The existing TSMC software can only control Cohu control receivers. This product is required for synchronization with our existing system. Other systems are not compatible because of control protocol issues.

**Network Video Server (AXIS 2400/2401)**

AXIS 2400/2401 high-performance video servers transform analog video into high quality digital images, which can be transmitted over intranet networks or the Internet. This equipment is required for compatibility with our existing camera controller system. It can connect via a modem to the Internet or directly to a local area network.

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### **Dial-Up Modem**

The US Robotics Sportster V.90 modem integrated with the AXIS 2401 network video server will provide high quality transmission video/data through telephone or network connection. The US Robotics Sportster V.90 modem is required for compatibility reasons; different brands are not compatible with the AXIS video transmission servers.

### **General Devices Incorporated (GDI) VMS Modem**

The GDI Stand-alone 9600 bps modem and Rack-mounted 9600 bps modem are used for communication between Variable Message Signs (VMS) and the Layton Avenue TSMC. This brand is required to synchronize with existing modems.

### **GDI Communication Multipoint Modem**

#### **Model # GDI 400SA 4 wire**

The GDI Multipoint Modem will supply communications to all ramp meters and data station in Region that are currently install in remote areas; requiring leased communication lines. The Region currently uses these modems for Ramp Meters and Data Stations communicating on lease phone lines. Installation of this modem will ensure compatibility with the connecting Region in the event that the adjacent Region's Traffic Management Center loses the network connection.

### **SSI Roadway Weather Information System (RWIS) Equipment**

Road Weather Information System is a unique system consisting of several stations strategically located alongside the highway that allow the Department to make more informed decisions during winter storms and to collect local pavement and atmospheric data. RWIS equipment will include; wind speed/direction sensor, precipitation sensor, tower, air temperature/R.H sensor, OWI sensor, OWI enclosure, and breaker box. To date there are six Surface Systems Incorporated (SSI) RWIS installed in the Region.

### **Justification/ Benefit:**

These proprietary items are essential to the existing highway facility for synchronization with existing implementations. This will also allow a smaller inventory of spare parts and response time for repairs and replacements will be greatly enhanced. Which results in a cost and time savings which is in the best interest of the public. The existing systems within this Region will be synchronized and compatible with connecting Regions in the future.

The technologies used in the above items are constantly improving. As such, we are continually evaluating the needs of our system and the equipment that best serves those needs. If you have any questions or need additional information on this matter, please contact (Designers Name and phone number).